150038

Kansas
Department of Health and Environment

NOTICE OF INTENT (NOI)

For Authorization to Discharge Stormwater Runoff from Construction Activities
In accordance with the Kansas Water Pollution Control General Permit
Under the National Pollutant Discharge Elimination System (NPDES)

Submission of this Notice of Intent constitutes notice that the party identified in Section I of this form requests authorization for coverage under the Kansas Water Pollution Control general permit, or KDHE issued successor permits, issued for stormwater runoff from construction activities in the State of Kansas. Becoming a permittee obligates the discharger to comply with the terms and conditions of the general permit. **Completion of this NOI does not provide automatic coverage under the general permit. Coverage is provided and discharge permitted when the Kansas Department of Health and Environment (KDHE) authorizes the discharge of stormwater runoff from the construction activities identified on the NOI and supporting documentation. A signed and dated copy of the first page of the NOI indicating the Authorization will be provided to the owner or operator, or all three pages for Conditional Authorizations.** Upon authorization of the construction activity discharge, a Kansas permit number and a Federal permit number will be assigned to the construction project. **A complete request for Authorization for coverage under the general permit must be submitted or the request will not be processed (see listing on Page 3 of this NOI).** KDHE will notify owners or operators whose Notice of Intent (NOI) and supporting documentation for Authorization of stormwater runoff associated with construction activities are incomplete, deficient, or denied.
Please Print or Type.

I. OWNER OR OPERATOR ADDRESS, BILLING, CONTACT & RECORDS LOCATION INFORMATION

A. Owner or Operator's Name: Tom French
Company Name: Heartland Development, L.P.
Owner or Operator's Phone: (913) 387-0188
Mailing Address: 15106 Glenwood Avenue
City: Overland Park State: KS Zip: 66223

B. Billing Contact Name: same as above
Billing Contact Address (if different): _____
City: _____ State: ____ Zip: _____

C. Contact Name: Tom French
Company Name: Heartland Development, L.P.
Contact Phone: (913) 387-0188
Mailing Address: 15106 Glenwood Avenue
City: Overland Park State: KS Zip: 66223
E-mail Address (optional): tfrench@tomfrenchconstructioninc.com

D. Address where records will be kept (if not on-site):
Records Address: 15106 Glenwood Avenue
City: Overland Park State: KS Zip: 66223

II. SITE INFORMATION

A. Project Name: Covington Creek
Site Address: 115th St. & Sunnybrook Blvd.
City: Olathe State: KS Zip: 66061
(Nearest City to Project)
County: Johnson

B. LEGAL SITE DESCRIPTION:
____ QTR of ____ QTR of E HALF ~~QTR~~ Section: 15
Township: 13 South; Range: 23 ☒ E ☐ W
Latitude: _____, Longitude: -
Deg. Min. Sec. Deg. Min. Sec.

For Official Use Only:

Received RECEIVED MAY 26 2015 BUREAU OF WATER	Amount Paid: $160 Date: 5-26-15 Initials: dg Check No.: 35018	Authorized: ☒ Y; ☐ N Is Authorization Conditional? ☐ Y; ☒ N (if yes, see page 3 of NOI for conditions)
Susan K Mosier Secretary, Kansas Department of Health and Environment		Reviewer 6/23/15 Date

KS Permit No.: S-KS52-0402 Federal Permit No.: KSR111150

Send completed 3 page NOI form with original signature and all appropriate submittals (see page 3 of NOI) to:

Kansas Department of Health and Environment
ureau of Water, Industrial Programs Section
1000 SW Jackson, Suite 420
Topeka, KS 66612-1367

Note: A copy of the permit can be obtained at: www.kdheks.gov/stormwater or by submitting a written request to KDHE.

KDHE Contact Information:
Phone: (785) 296-5545
E-mail: stormwater@kdheks.gov

STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

Project:

Covington Creek
115th Street & Sunnybrook Blvd.
Olathe, Johnson County, KS

Date: May 18, 2015

Prepared for the Owner & Developer:

Heartland Development, L.P.
Attn: Tom French
15106 Glenwood Avenue
Overland Park, KS 66223
(913) 387-0188 Phone
TFRENCH@TOMFRENCHCONSTRUCTIONINC.COM E-Mail

Prepared by the Civil Engineer:

Phelps Engineering, Inc.,
Attn: Timothy J. Tucker, P.E.
1270 N. Winchester
Olathe, Kansas 66061
913-393-1155 Phone
913-393-1166 Fax

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I. NARRATIVE

a. Regulatory Background

The Kansas Department of Health and Environment (KDHE), Bureau of Water, Industrial Section has established a program to protect waters of the State of Kansas from construction site storm water runoff. The storm water program requires owners (the permittee) of projects, who engage in construction activities disturbing one (1) or more acres to have authorization (permitted) to discharge storm water runoff under the State construction storm water general permit. Owners must submit a Notice of Intent (NOI) to comply with the general permit at least sixty (60) days before starting construction. Owners must receive a permit from KDHE prior to commencing any land disturbance activity.

Owners may elect to authorize (in writing) an officer of their contractor to obtain and maintain the permit.

The primary requirement of KDHE's general construction storm water permit is for the permittee to develop and implement a Storm Water Pollution Prevention Plan (SWPPP). The purpose of this "Storm Water Pollution Prevention Plan" (SWPPP) is to provide design, implementation, and maintenance of "Best Management Practices" (BMPs) for the project site. The SWPPP includes, but is not limited to, this document, the Erosion and Sedimentation Control Plan included in the construction drawings with the Detail Sheets, site landscaping plans, the Notice of Intent, Co-Permittee or Transfer forms, Permit Authorization, General Permit, Notice of Termination (NOT), all records of inspections and activities which are created during the course of the project, and other documents as may be included by reference to this SWPPP. Changes, modifications, revisions, additions, or deletions shall become part of this SWPPP as they occur.

Public Posting (Including SWPPP Information Sign)
Install the SWPPP Information Sign per specification and post Site Maps and Details Sheets on the jobsite trailer wall (or other Owner agreed upon location) before beginning BMP installation. The following information must be posted near the construction exit in a prominent place for public viewing until termination of permit coverage has been obtained by filing the NOT: 1) Notice of Intent; 2) Permit Authorization; and 3) The location of the SWPPP on site. Reference the Entrance Sign (SWPPP Information Sign) detail for proper posting of documents.

Retention of Records
A complete copy of the SWPPP, including copies of all inspection reports, plan revisions, etc., shall be kept at the project site (or at the location as specified on the NOI if not at the project site) during the duration of the project (until NOT is filed) and kept in the permanent project records of the General Contractor for at

least three years following submission of the NOT. The SWPPP shall be made available during inspections.

Contractor/Sub-Contractor List
The General Contractor must provide names and addresses of all subcontractors working on this project who will be involved with the major construction activities that disturb site soil or otherwise affect BMP implementation. This information shall be kept in the SWPPP Binder.

Contractor/Sub-Contractor Certification Form
The General Contractor and all contractors and/or subcontractors that will implement, maintain and/or impact the pollution control measures in the SWPPP and/or are involved in ground-disturbing activities on the site must sign a copy of the Contractor certification included in the Appendix. An authorized representative from each company on the construction project must sign this form certifying that company representatives understand the General Permit authorizing storm water discharges during construction. This information shall be kept in the SWPPP Binder.

Additional Requirements:
This SWPPP was developed to fulfill construction storm water permit requirements for the Covington Creek project. Ultimately, it is the responsibility of the permittee or his general contractor (if so designated) to assure the adequacy of site pollutant discharge controls. Actual physical site conditions or contractor practices could make it necessary to install more structural controls than are shown on the plans. (For example, localized concentrations of runoff could make it necessary to install additional sediment barriers.) Assessing the need for additional controls and implementing them or adjusting existing controls will be a continuing aspect of this SWPPP until the site achieves final stabilization.

b. Site Location and Existing Conditions

The site is a 11.9 acre parcel located at Sunnybrook Blvd. and 115th Street in Olathe, Johnson County, Kansas. The property parcel numbers are DP72910000 0006. The site is located in the East 1/2 of Section 15, Township 13 South, Range 23 East. The legal description for the site is:

All that part of the Lot 6, SUNNYBROOK, a platted subdivision of land in the City of Olathe, Johnson County, Kansas, being more particularly described as follows:

Beginning at the Southwest corner of said Lot 6; thence N 1°44'58" W, along the West line of said Lot 6 and the West line of the Southeast Quarter of Section 15, Township 13 South, Range 23 East, in the City of Olathe, Johnson County, Kansas, a distance of 320.00 feet to an angle point on the West line of said Lot 6 and the Southeast plat corner of STRATTON OAKS, FIRST PLAT, a platted subdivision of land in the City of Olathe, Johnson County, Kansas and the Northwest corner of the Southeast Quarter of said Section 15; thence N 2°39'56" W, along the West line of said Lot 6 and the West line of the Northeast Quarter of said Section 15 and East

plat line of said STRATTON OAKS, FIRST PLAT, a distance of 103.15 feet; thence N 87°57'38" E, a distance of 119.00 feet; thence N 2°02'22" W, a distance of 27.09 feet; thence N 87°57'38" E, a distance of 233.87 feet; thence S 29°21'46" E, a distance of 128.90 feet; thence S 36°45'25" E, a distance of 88.67 feet; thence S 52°57'57" E, a distance of 78.72 feet; thence N 43°08'12" E, a distance of 120.00 feet; thence N 46°51'48" W, a distance of 24.86 feet; thence N 43°08'12" E, a distance of 163.09 feet; thence S 57°56'32" E, a distance of 89.08 feet; thence S 69°13'16" E, a distance of 121.32 feet; thence S 75°49'38" E, a distance of 102.00 feet to a point on the Westerly plat line of COVINGTON COURT, a platted subdivision of land in the City of Olathe, Johnson County, Kansas; thence along the Westerly plat line of said COVINGTON COURT, for the following three (3) courses; thence Southerly on a curve to the left, said curve having an initial tangent bearing of S 14°10'23" W and a radius of 720.00 feet, an arc distance of 138.22 feet; thence continuing Southerly on a curve to the left, said curve being tangent to the last described course and having a radius of 300.00 feet, an arc distance of 70.14 feet; thence S 10°13'19" E, a distance of 38.38 feet to an angle point Southerly line of said Lot 6, said point also being on the Easterly right-of-way line of Sunnybrook Boulevard (platted as Valley Road), as now established; thence S 87°36'00" W, along the Southerly line of said Lot 6, a distance of 80.00 feet to a point on the Westerly right-of-way line of said Sunnybrook Boulevard; thence along the Southerly line of said Lot 6 and the Westerly right-of-way line of said Sunnybrook Boulevard, for the following three (3) courses; thence S 4°16'40" W, a distance of 111.85 feet; thence Southerly on a curve to the left, said curve being tangent to the last described course and having a radius of 400.00 feet, an arc distance of 101.23 feet; thence Southerly on a curve to the left, said curve being tangent to the last described course and having a radius of 860.00 feet, an arc distance of 89.74 feet to the Northeast plat corner of THE VILLAGES OF SUNNYBROOK ESTATES 6TH PLAT, a platted subdivision of land in the City of Olathe, Johnson County, Kansas; thence continuing Southerly on said curve to the left and along the Easterly plat line of said THE VILLAGES OF SUNNYBROOK ESTATES 6TH PLAT and having a radius of 860.00 feet, an arc distance of 7.00 feet; thence S 16°40'00" E, along the Easterly plat line of said THE VILLAGES OF SUNNYBROOK ESTATES 6TH PLAT, a distance of 47.60 feet; thence S 89°33'00" W, a distance of 267.51 feet; thence N 68°14'51" W, a distance of 153.20 feet to an angle point on the West plat line of said THE VILLAGES OF SUNNYBROOK ESTATES 6TH PLAT; thence continuing N 68°14'51" W, along the Southerly line of said Lot 6, a distance of 552.38 feet to the point of beginning, containing 11.9312 acres, more or less, of replatted land.

Existing site conditions are undeveloped ground previously used for agriculture. Drainage on the site flows south to a tributary arm of Little Cedar Creek. Soils onsite are primarily Chillicothe silt loam, with 2 to 5 percent slopes. Existing vegetation consists of Oska-Martin complex with 4 to 8 percent slopes.

c. Proposed Construction and Land Disturbance Activities

Proposed construction activities include mass grading of the entire site, installation of storm sewer, sanitary sewer, and other utilities. Storm water onsite will be conveyed through curb and gutter and storm sewer. Where storm sewers discharge to a receiving waterway, riprap shall be placed at the outlet to dissipate flow and reduce velocity. The site will be re-seeded and landscaped upon completion of the finish grading. All seeded and planted areas will be inspected for bare spots, washouts, and healthy growth. The remainder of site shall have

paving and buildings stabilizing exposed ground.

d. Work Schedule/Project Phasing

Construction activities will commence in the summer of 2015 with an estimated completion date of winter 2015. Onsite working hours will be from Monday thru Saturday from 7:00 A.M. to 7:00 P.M. The project will be phased in the following manner to limit the amount and duration of exposed soils:

1. Sanitary Sewer Installation
2. Mass Grading
3. Storm Sewer Installation
4. Street Pavement Installation
5. Utility Installation

e. Potential Storm Water Contaminants

Pollutants that result from clearing, grading, excavation, and building materials and have the potential to be present in storm water runoff are listed in Table 1. This table includes information regarding the material type, chemical and physical description, and the specific storm water pollutants associated with each material.

Table 1

Potential Construction Site Storm Water Pollutants

Trade Name Material	**Chemical/Physical Description(1)**	**Storm Water Pollutants(1)**
Pesticides (insecticides, fungicides, herbicides, rodenticides)	Various colored to colorless liquid, powder, pellets, or grains	Chlorinated hydrocarbons, organophosphates, carbamates, arsenic
Fertilizer	Liquid or solid grains	Nitrogen, phosphorous
Plaster	White granules or powder	Calcium sulphate, calcium carbonate, sulfuric acid
Cleaning solvents	Colorless, blue, or yellow-green liquid	Perchloroethylene, methylene chloride, trichloroethylene, petroleum distillates
Asphalt	Black solid	Oil, petroleum distillates
Concrete	White solid	Limestone, sand
Glue, adhesives	White or yellow liquid	Polymers, epoxies
Paints	Various colored liquid	Metal oxides, Stoddard solvent, talc, calcium carbonate, arsenic
Curing compounds	Creamy white liquid	Naphtha
Wastewater from construction equipment washing	Water	Soil, oil & grease, solids

Trade Name Material	Chemical/Physical Description[(1)]	Storm Water Pollutants[(1)]
Sanitary wastes/sewage	Water, fecal matter	Bacteria, ammonia, nutrients
Wood preservatives	Clear amber or dark brown liquid	Stoddard solvent, petroleum distillates, arsenic, copper, chromium
Hydraulic oil/fluids	Brown oily petroleum hydrocarbon	Mineral oil
Gasoline	Colorless, pale brown or pink petroleum hydrocarbon	Benzene, ethyl benzene, toluene, xylene, MTBE
Diesel fuel	Clear, blue-green to yellow liquid	Petroleum distillate, oil & grease, naphthalene, xylenes
Kerosene	Pale yellow liquid petroleum hydrocarbon	Coal oil, petroleum distillates
Antifreeze/coolant	Clear green/yellow liquid	Ethylene glycol, propylene glycol, heavy metals (copper, lead, zinc)
Erosion	Solid Particles	Soil, sediment

[(1)]Data obtained from MSDSs when available

Non-storm water discharges that are expected from the site during the construction period:

- Water from waterline flushing
- Uncontaminated groundwater (from excavation)
- Irrigation water

f. Storm Water Controls/Best Management Practices (BMPs)

The primary potential sources of storm water contamination for this project include erosion and construction material spillage.

Erosion and Sediment Control

Soil stabilization and structural controls will be the primary methods of erosion control used on-site to control run-off velocity and protect soil particles from precipitation. Soil stabilization is defined as using in place existing vegetation, or by providing temporary/permanent seeding, parking lots or buildings to stabilize the ground. Structural controls shall consist of temporary and permanent site improvements such as storm sewer piping and inlets and silt fence, rock check dams, diversion berms, and gravel entrances. The following BMPs will be implemented:

- Silt fence or mulch berms will be placed along the perimeter of the area to be cleared and graded before any clearing or grading occurs.
- Single row silt fence will be used at the downhill side of the site perimeter.
- All ruts caused by equipment will be graded.
- Within 14 days of clearing and grading, areas not immediately affected by construction activities will be seeded and mulched with straw. The straw mulch is to be tacked into place by a cultipacker or disk.
- Soil stockpiles will be stabilized with temporary seed and mulch no later than 14 days from the last construction activity in that area..
- Silt dikes, berms, or other appropriate products best suited for the phase of construction will be placed to protect all storm sewer inlets on or near the site.
- Construction entrances shall be provided for off-site vehicles leaving graded areas and entering paved streets. Sufficiently long graveled surfaces shall be provided to reduce the amount of sediment being transported onto pavement. Graveled areas shall also be provided for contractor staging and material storage areas. Paved areas will be cleaned daily to remove any excess mud, dirt or rock.
- Dump trucks hauling material from the construction site will be covered with a tarpaulin.
- Paved streets outside the construction area will be swept to remove excess mud, dirt, or rock tracked from the site.
- Gravel bags, gutter buddies, or other approved inlet protection methods as shown on the plans shall be used to prevent sediment from entering storm water inlets.

Erosion control BMPs, locations and design specifications are included in the Drawings (see Erosion and Sediment Control Plan).

Construction Materials

To prevent construction materials from washing into receiving water bodies, or the undisturbed areas of the site, the following BMPs will be implemented.

- Building sites will be regularly policed and solid waste will be removed at regular intervals. All waste materials will be collected and stored in a securely lidded metal dumpster. All trash and construction debris from the site will be deposited in the dumpster. The dumpster will be emptied when full or weekly, whichever comes first.
- On site burning will only be allowed if specifically permitted by local jurisdictional authority. Any on site burning must comply with state and county requirements also.

- All sanitary wastes will be contained and collected from portable units throughout the entire construction phase. They must be utilized by all construction personnel. They will be serviced (emptied) a minimum of weekly, or when full by a licensed sanitary waste management contractor.
- Fertilizers and other soil amendments will be applied only in the minimum amounts recommended by the manufacturer.
- Fertilizers will be covered or stored in sealable containers to avoid spills.
- All vehicles on site will be monitored for leaks and receive regular maintenance to reduce the chance of leakage.
- Petroleum Products
    - Petroleum products will be stored in tightly sealed containers or storage tanks which are clearly labeled. Storage tanks shall be in sound condition free of rust or other damage, which might compromise containment. Hoses, valves, fittings, caps, filler nozzles, and associated hardware shall be maintained in proper working condition at all times. Fueling, servicing, and repair of equipment within 50 feet of a stream are prohibited. Any fuel storage facility over 660 gallons will require a specific spill prevention plan that meets state and federal requirements.
    - Above ground storage tanks will have secondary containment structures or berms. Secondary containment will be constructed of sufficiently impervious material with enough storage to contain the volume of the tank plus at least 6 inches freeboard.
- All liquid materials stored on-site will be in their original containers, tightly sealed, and kept in a neat, orderly manner.
- All paint containers and curing compounds will be tightly sealed and stored when not required for use. Excess paint will not be discharged to the storm system, but will be properly disposed according to the manufacturer's instructions.
- Concrete washout from ready mix trucks will be allowed on the construction site, but only in specifically designated containment areas that have been prepared to prevent contact between the concrete and/or wash water and storm water that will be discharged from the site or in locations where waste concrete can be placed into forms to make riprap or other useful concrete products. The cured residue from the concrete washout containment areas shall be disposed in accordance with applicable state and federal regulations. The jobsite superintendent is responsible for assuring that these procedures are followed. Washout on individual lots will not be permitted. Recycling of concrete wash water and disposal off site is encouraged.
- Form release oil used for decorative stonework will be applied over a pallet covered with an absorbent material to collect excess fluid. The

absorbent material will be replaced and disposed of properly, when saturated.

- Building materials, when stored, will be kept away from drainage courses.
- Spill procedures:
    - Spill kits will be included with all fueling sources and maintenance activities.
    - All personnel will be aware of proper spill clean up procedures.
    - Spill containment equipment may include brooms, dust pans, mops, rags, gloves, goggles, kitty litter, sand, saw dust, containment booms, and metal trash containers. All spills will be cleaned up immediately upon discovery.
    - Large spills of flammable or hazardous materials should be reported immediately to the local fire department by calling 911. Large spills must also be reported to the City &/or County Environmental Departments.

g. Sequence of Major Construction Activities

Described below are the major construction activities that are the subject of this SWPPP. They are presented in the order (or sequence) they are expected to begin, but each activity will not necessarily be completed before the next begins. Also, these activities could occur in a different order if necessary to maintain adequate erosion and sedimentation control. The Contractor shall update all activities and the timeframe (beginning and ending dates) and shall be noted on the Site Map and Record of Stabilization and Construction Activity Dates:

- Construct rock pads for construction entrance/exit. This will be the first construction work on the project.
- Temporary perimeter sediment controls installed before any clearing and grading begins.
- Clear and grub the improvement areas. (Sediment barriers already installed down slope per “B” above); Clearing and grading will not occur in an area until it is necessary for construction to proceed (see Project Phasing). Stripping of vegetation on the site will be limited to those areas where construction will start within 14 days or sooner where feasible. All clearing and stripping will follow the construction schedule for the development.
- Excavation and embankment to form the pavement areas;
- Underground Utilities - Sediment barriers shall be utilized as required to bound the down slope side of utility construction and soil stockpiles;
- Final Grading - Sediment barriers shall be maintained down slope from disturbed soil during this operation; and
- Paving

- Building Construction.
- Once construction activity ceases permanently in an area, that area will be stabilized with permanent seed and mulch (or sod) and landscaping.
- After the entire site is stabilized, the accumulated sediment will be removed from the basin.

h. BMP Inspection and Maintenance Procedures

Visual inspections of all cleared and graded areas of the construction site will be performed at a minimum of once every 14 days or within 24 hours of the end of a storm with rainfall amounts greater than 0.5 inches. The inspections will be conducted by the SWPPP Coordinator or a designated team member. The inspection will verify that the structural BMPs are in good condition and are minimizing erosion. The inspection will also verify that BMPs used to contain construction materials and petroleum products are effective. The following inspection and maintenance practices will be used to maintain erosion and sediment controls:

- Built up sediment will be removed from perimeter controls when it has reached one-half the height of the control.
- Silt fences will be inspected for depth of sediment, undermining, tears, and attachment to fence posts. Posts will also be inspected to make sure they are firmly in the ground.
- If failure is recurrent, some other sediment control must be substituted and noted in the SWPPP (note the location and type of substitute BMP on the Erosion and Sediment Control Plan).
- Temporary and permanent seeding will be inspected for bare spots, washouts, and healthy growth.
- Stabilized construction entrances will be inspected to determine if soil is leaving the site. A layer of clean gravel should be placed whenever excess soil has accumulated on the surface of the construction entrance.

Visual inspections of all cleared and graded areas of the construction site will be performed at a minimum of once every 14 days and within 24 hours of the end of a storm with rainfall amounts greater than 0.5 inches. Based on the results of the inspection, necessary control modifications shall be implemented within 7 days. Visual inspection activities can be documented as needed using other appropriate forms/logs, and attached to the SWPPP. If construction activities or BMPs change during this project, the SWPPP will be amended appropriately.

i. Project Contacts and Coordination

The construction site SWPPP Coordinator for Covington Creek is yet to be determined. SWPPP Coordination duties include:

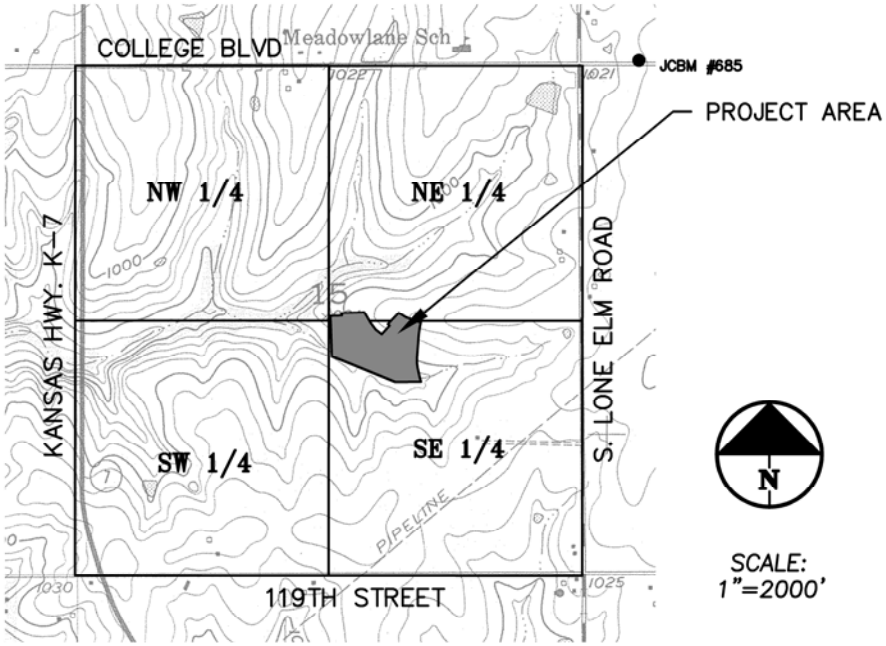
- implement the SWPPP with the aid of the SWPPP team;
- oversee maintenance practices identified as BMPs in the SWPPP;
- notify the City Inspector after installation of perimeter sediment controls and prior to any significant deviations from the SWPPP;
- conduct or provide for inspection and BMP maintenance activities;
- identify other potential pollutant sources and make sure they are added to the SWPPP;
- identify any deficiencies in the SWPPP and make sure they are corrected; and
- ensure that any changes in construction plans or BMPs are addressed in the SWPPP.

II. DRAWINGS

a. Vicinity Map
b. Site Map
c. Erosion and Sediment Control Plan

COVINGTON CREEK

PART OF THE SE. 1/4 SECTION 15, T. 13 S., R. 23 E.,
IN THE CITY OF OLATHE, JOHNSON COUNTY, KANSAS.



LOCATION MAP
SECTION 15-13-23

PLANNING
ENGINEERING
IMPLEMENTATION

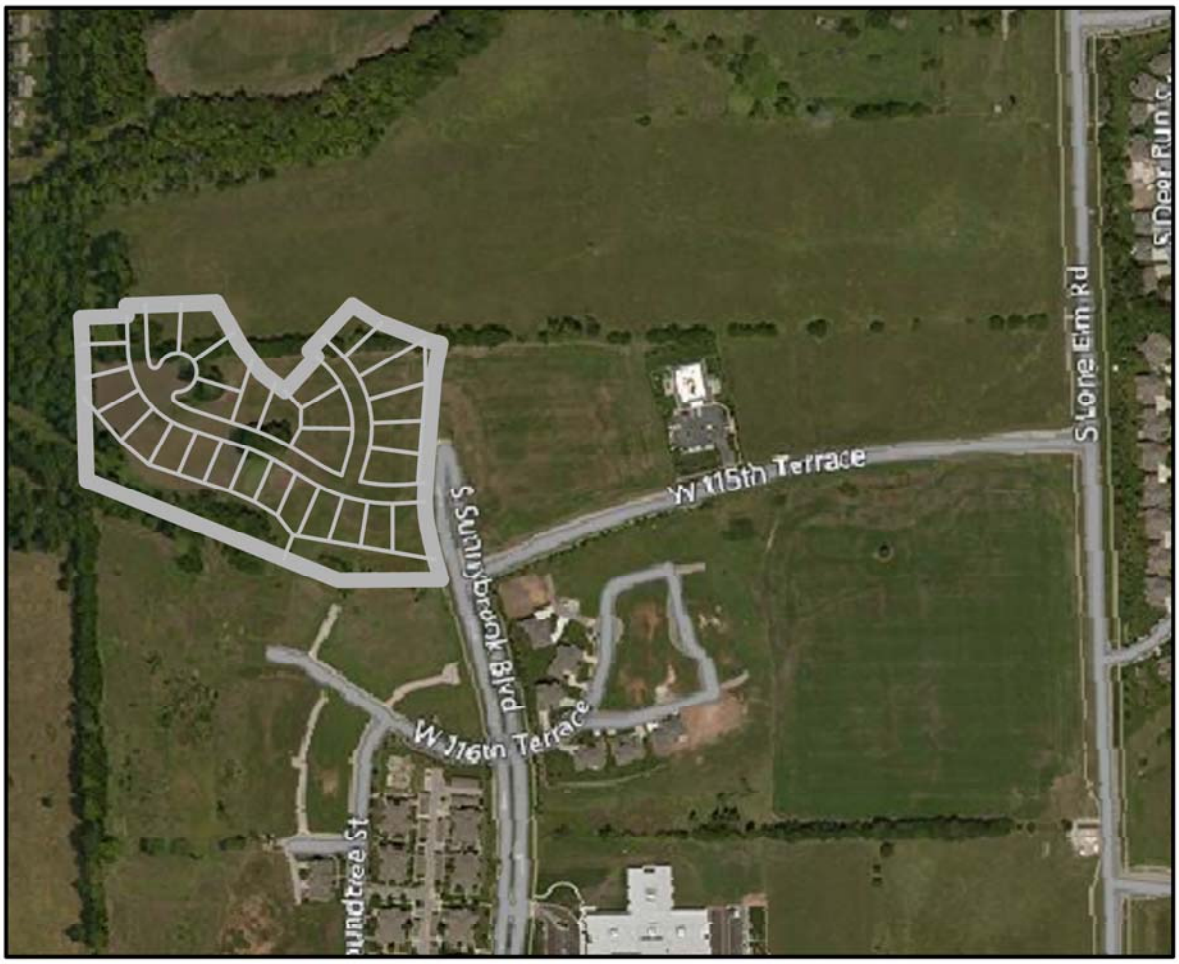
PHELPS ENGINEERING, INC
1270 N. Winchester
Olathe, Kansas 66061

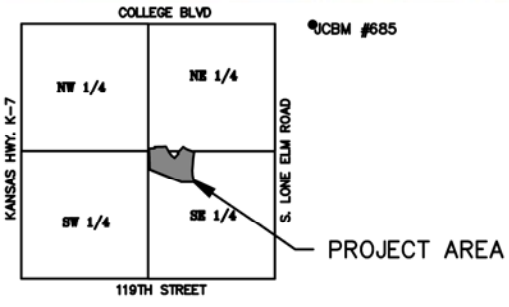
(913) 393-1155
Fax (913) 393-1166
www.phelpsengineering.com

PROJECT NO. 150038
DATE: 2-20-2015
BY: JAZ

COVINGTON CREEK

PART OF THE SE. 1/4 SECTION 15, T. 13 S., R. 23 E., IN THE CITY OF OVERLAND PARK, JOHNSON COUNTY, KANSAS.





UCBM #685

COVINGTON CREEK

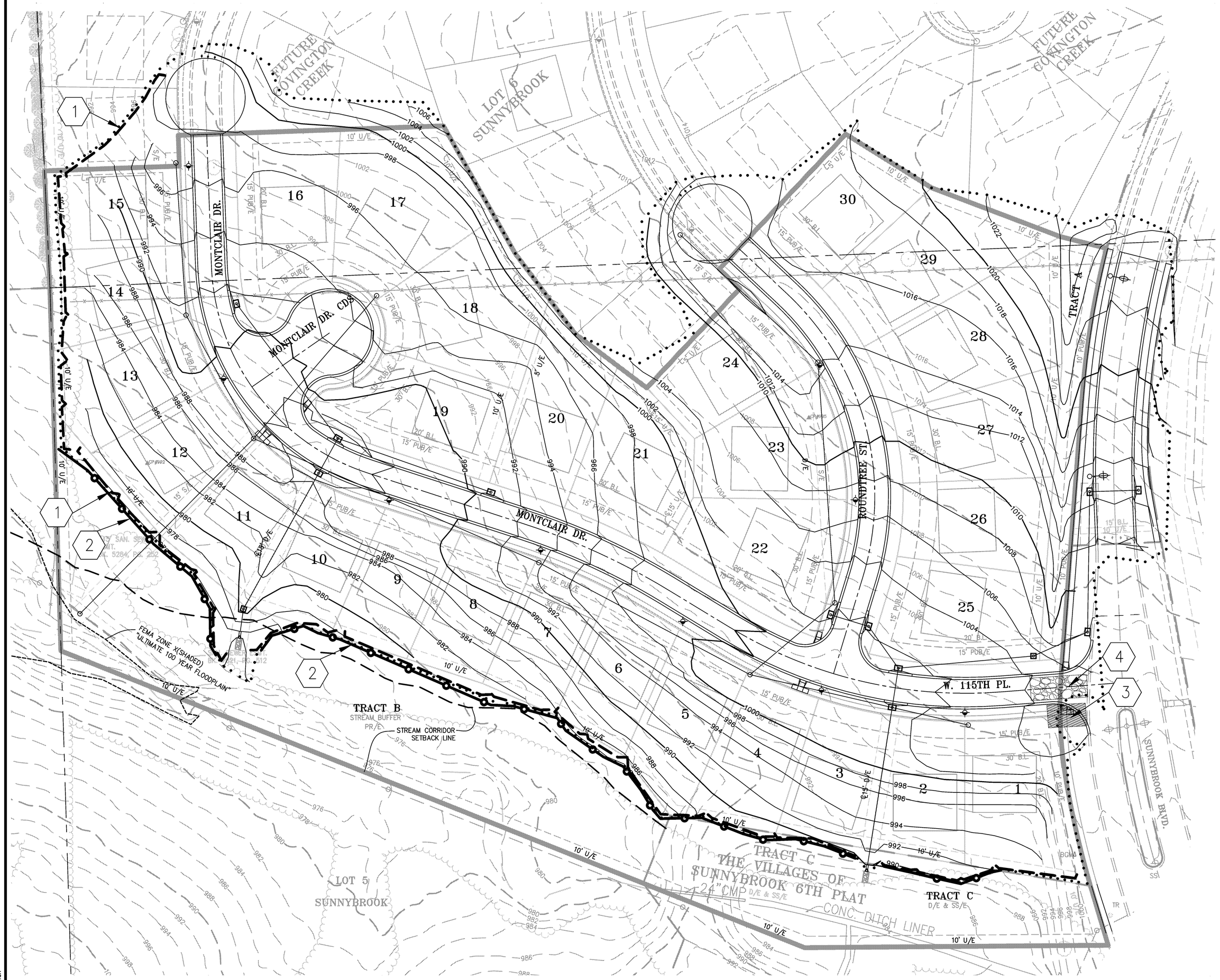
LOCATION MAP
SECTION 15-13-23

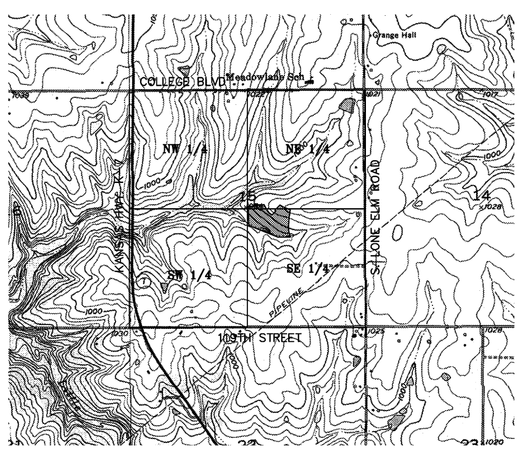
PLANNING
ENGINEERING
IMPLEMENTATION

PHELPS ENGINEERING, INC
1270 N. Winchester
Olathe, Kansas 66061

(913) 393-1155
Fax (913) 393-1166
www.phelpsengineering.com

PROJECT NO. 150038
DATE: 2-20-15
BY: JAZ





LOCATION MAP
SECTION 15-13-23

N

SCALE: 1"=50'
0' 50' 100'

811 Know what's below. Call before you dig.

UTILITY NOTES:
VISUAL INDICATIONS OF UTILITIES ARE AS SHOWN. UNDERGROUND LOCATIONS SHOWN, AS FURNISHED BY THEIR LESSORS, ARE APPROXIMATE AND SHOULD BE VERIFIED IN THE FIELD AT THE TIME OF CONSTRUCTION. FOR ACTUAL FIELD LOCATIONS OF UNDERGROUND UTILITIES.

SOIL EROSION/SEDIMENTATION CONTROL OPERATION TIME SCHEDULE

NOTE: GENERAL CONTRACTOR TO COMPLETE TABLE WITH THEIR SPECIFIC PROJECT SCHEDULE

CONSTRUCTION SEQUENCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
ROUGH GRADE / SEDIMENT CONTROL																		
TEMPORARY CONTROL MEASURES																		
STRIP & STOCKPILE TOPSOIL																		
STORM FACILITIES																		
TEMPORARY CONSTRUCTION ROADS																		
FOUNDATION / BUILDING CONSTRUCTION																		
SITE CONSTRUCTION																		
PERMANENT CONTROL STRUCTURES																		
FINISH GRADING																		
LANDSCAPING/SEED/FINAL STABILIZATION																		

MAINTENANCE:

ALL MEASURES STATED ON THIS EROSION AND SEDIMENT CONTROL PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLANATION, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT, WHICHEVER IS MORE STRINGENT, AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.

2. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RESEEDED AS NEEDED.

3. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-THIRD THE HEIGHT OF THE SILT FENCE.

4. THE CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCES AS CONDITIONS DEMAND.

EROSION CONTROL NOTES:

1. The contractor shall provide all materials, tools, equipment and labor as necessary to install and maintain adequate erosion control to prevent soil from leaving the project site. It shall be the contractor's responsibility to insure that the methods utilized comply with the requirements of the governmental agencies having jurisdiction over the work.

2. The contractor shall control the grading operation so that the site is well drained at all times and shall schedule the work to minimize the erosion of material by the use of staked straw bales and other acceptable methods to protect the abutting properties, streets, and all utilities.

3. Erosion control devices shall remain in place for the duration of the project.

4. The contractor shall seed/mulch and or sod all areas disturbed during the construction activities.

5. All perimeter silt fence, earth dikes, sediment basins, and rock construction entrances will be installed before grading operations begin, except that silt fence which is to be placed along the back of curb for protection of the street. Silt fence and earth dikes that are placed before grading begins will be maintained by the grading contractor until all utilities are in place. The silt fence that is placed along the back of the curb or Right-of-Way will be installed immediately after the curb is constructed.

FLOOD NOTE:

THIS PROPERTY LIES WITHIN ZONE AE, DEFINED AS BASE FLOOD ELEVATIONS DETERMINED, AND WITHIN ZONE X(SHADED), DEFINED AS AREAS OF 500-YEAR FLOOD; AREAS OF 100-YEAR FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 100-YEAR FLOOD, AND WITHIN ZONE X(UNSHADED) DEFINED AS AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOOD PLAIN, AS SHOWN ON THE FLOOD INSURANCE RATE MAP PREPARED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY FOR THE CITY OF OVERLAND PARK, JOHNSON COUNTY, KANSAS, COMMUNITY NO. 200174, PANEL NO. 0218 F AND DATED JUNE 17, 2002.

NOTE:

A Storm Water Pollution Prevention Plan (SWPPP) has been prepared for this project and is incorporated herein by reference into the project requirements. The Contractor shall keep a copy of the SWPPP, these Erosion Control Plans, the Notice of Intent (NOI) and inspection book on the job site at all times.

LEGEND

- Stabilized Rock Entrance
- Silt Fence
- Limits of Disturbed Area
- Inlet Protection
- Temp Rock Filter
- Orange Const Fence

LIMITS OF DISTURBED AREA = 9.9 AC.

STAGING CHART

	Project Stage	BMP Plan Ref No.	BMP Description	Remove after Stage:	Notes:
Phase I	A. Prior to Land Disturbance	1	Super Sediment Fence	F	Place downstream project site perimeter.
		2	Construction Fence	E	Install gravel filter bags prior to land disturbance.
		3	Concrete Washout Area	C	
		4	Constr Entrance & Staging Area	E	
Phase II	B. Sediment Basin Installation				
	C. Storm Sewer Installation	6	Inlet Protection	E	Install silt fence inlet protection with wire support.
		7	End-Section Protection	N/A	Install rip-rap at end-section immediatly after installation.
	D. Mass Grading				
	E. After Paving	9	Inlet Protection	F	Install gravel filter bags.
		10	Sediment Fence	F	Place sediment fence back of curb after curb is installed.
	F. During Building Construction until closure of Land Disturbance Permit		Seed	N/A	Seed & Landscape Disturbed Area upon completion of construction.

TIMOTHY J. TUCKER LICENSED 18186 KANSAS PROFESSIONAL ENGINEER

PHELPS ENGINEERING, INC
1270 N. Winchester
Olathe, Kansas 66061
(913) 393-1155
Fax (913) 393-1166
www.phelpsengineering.com

PLANNING ENGINEERING IMPLEMENTATION

EROSION CONTROL PLAN (PHASE I)

COVINGTON CREEK
OLATHE, KANSAS
C.P.N. 3-D-011-15

No.	Revisions:	Date	By	App.

PROJECT NO. 150038
DATE: 1-30-15
DRAWN: JAZ
DESIGNED: TJT
CHECKED: TJT
APPROVED:

SHEET 11 OF 15

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811 Know what's below. Call before you dig.

UTILITY NOTES:
VISUAL INDICATIONS OF UTILITIES ARE AS SHOWN. UNDERGROUND LOCATIONS SHOWN, AS FURNISHED BY THEIR LESSORS, ARE APPROXIMATE AND SHOULD BE VERIFIED IN THE FIELD AT THE TIME OF CONSTRUCTION. FOR ACTUAL FIELD LOCATIONS OF UNDERGROUND UTILITIES.

SOIL EROSION/SEDIMENTATION CONTROL OPERATION TIME SCHEDULE

NOTE: GENERAL CONTRACTOR TO COMPLETE TABLE WITH THEIR SPECIFIC PROJECT SCHEDULE

CONSTRUCTION SEQUENCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
ROUGH GRADE / SEDIMENT CONTROL																		
TEMPORARY CONTROL MEASURES																		
STRIP & STOCKPILE TOPSOIL																		
STORM FACILITIES																		
TEMPORARY CONSTRUCTION ROADS																		
FOUNDATION / BUILDING CONSTRUCTION																		
SITE CONSTRUCTION																		
PERMANENT CONTROL STRUCTURES																		
FINISH GRADING																		
LANDSCAPING/SEED/FINAL STABILIZATION																		

MAINTENANCE:

ALL MEASURES STATED ON THIS EROSION AND SEDIMENT CONTROL PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLANATION, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT, WHICHEVER IS MORE STRINGENT, AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

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3. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-THIRD THE HEIGHT OF THE SILT FENCE.

4. THE CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCES AS CONDITIONS DEMAND.

EROSION CONTROL NOTES:

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3. **Erosion control devices shall remain in place for the duration of the project.**

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NOTE:

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LEGEND

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- Silt Fence
- Limits of Disturbed Area
- Inlet Protection
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- Orange Const Fence

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STAGING CHART

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	D. Mass Grading	8	Silt Fence	F	
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PLANNING ENGINEERING IMPLEMENTATION

EROSION CONTROL PLAN (PHASE II)

COVINGTON CREEK
OLATHE, KANSAS
C.P.N. 3-D-011-15

No.	Date	Revisions:	By	Appr.

PROJECT NO. 150038
DATE: 1-30-15
DRAWN: JAZ
DESIGNED: TJT
CHECKED: TJT
APPROVED:

SHEET 12 OF 15

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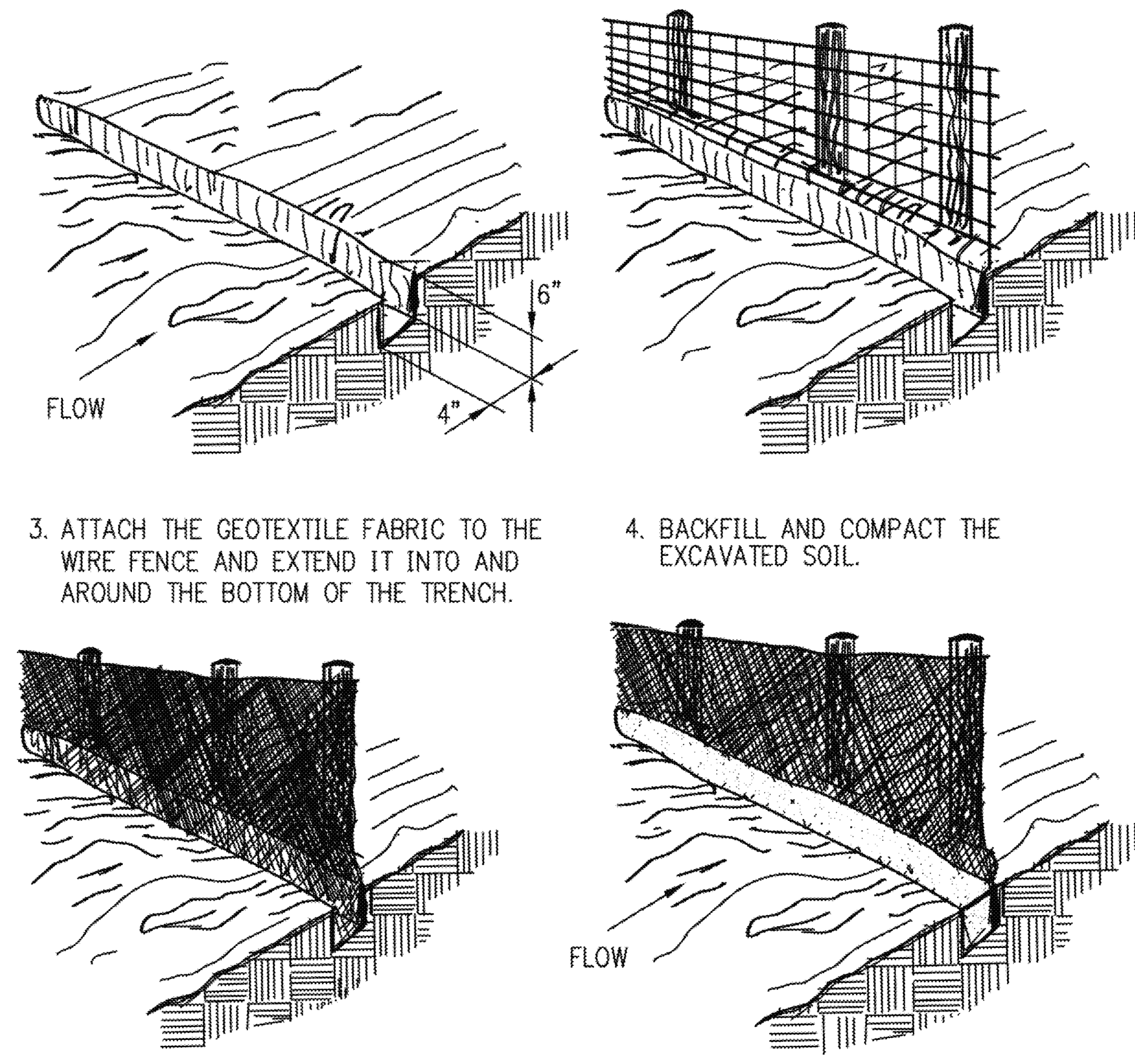
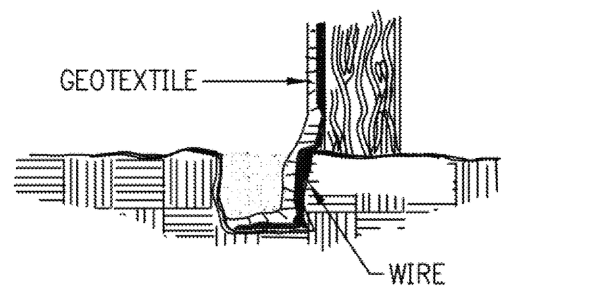
SUPER SEDIMENT FENCE

1. EXCAVATE A 6"X4" TRENCH
2. SET THE METAL T-POSTS OR FENCE POSTS ON THE DOWNSLOPE SIDE OF THE TRENCH. SECURE WIRE FENCING TO THE POSTS.
3. ATTACH THE GEOTEXTILE FABRIC TO THE WIRE FENCE AND EXTEND IT INTO AND AROUND THE BOTTOM OF THE TRENCH.
4. BACKFILL AND COMPACT THE EXCAVATED SOIL.



EXTENSION OF FABRIC AND WIRE INTO THE TRENCH

NOT TO SCALE



SECTIONAL FENCE ANCHOR DETAIL

SOURCE: MODIFIED FROM VA. DCR, 1992

SUPER SEDIMENT FENCE NOTES:

A) CONSTRUCTION SPECIFICATIONS:

1. FENCING SHALL BE 42-INCHES IN HEIGHT.
2. WIRE FENCE SHALL BE FASTENED SECURELY TO THE FENCE POSTS WITH WIRE TIES AND STAPLES. THE LOWER TENSION WIRE, BRACE AND TRUSS RODS, DRIVE ANCHORS, AND POST CAPS ARE NOT REQUIRED EXCEPT ON THE ENDS OF THE FENCE.
3. SEDIMENT FENCE SHALL BE FASTENED SECURELY TO THE WIRE FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP AND MID-SECTION.
4. SEDIMENT FENCE AND WIRE SHALL BE EMBEDDED A MINIMUM OF 8-INCHES INTO THE GROUND.
5. WHEN TWO SECTIONS OF GEOTEXTILE FABRIC ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6-INCHES AND FOLDED.
6. WIRE FENCE WILL BE BETWEEN 9 AND 14 GAUGE AND SHALL HAVE A MAXIMUM MESH SPACING OF 6-INCHES.
7. SEDIMENT FENCE SHALL MEET THE FOLLOWING REQUIREMENTS FOR GEOTEXTILE CLASS F: ADDITIONAL SPECIFICATIONS ARE FOUND IN ASTM 6461.

SEDIMENT FENCE REQUIREMENTS

TENSION STRENGTH	50 LB/IN OR MORE	ASTM 4632
TENSION MODULUS	20 LB/IN OR MORE	ASTM 4632
FLOW RATE	0.3 GAL/FT^2/MINUTE OR LESS	ASTM 5141
FILTERING EFFICIENCY	75 % OR MORE	ASTM 5141

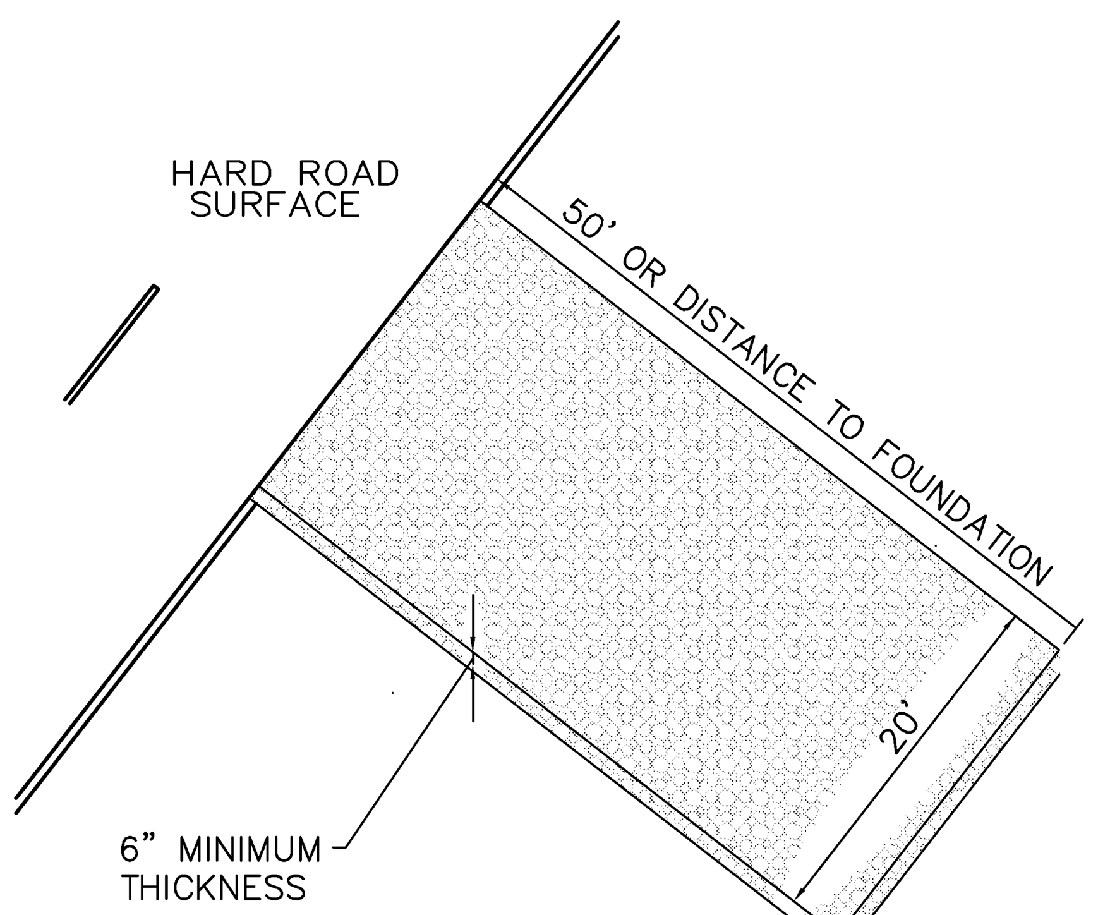
B) INSTALLATION:

1. THE HEIGHT OF A SEDIMENT FENCE SHALL BE A MINIMUM OF 16 INCHES ABOVE THE ORIGINAL GROUND SURFACE AND SHALL NOT EXCEED 34-INCHES ABOVE GROUND SURFACE.
2. THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL AND CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE UNAVOIDABLE, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP, AND SECURELY
3. SEALED.
A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4 INCHES WIDE AND 6 INCHES DEEP ON THE UPSLOPE
4. SIDE OF THE PROPOSED LOCATION OF THE FENCE.
WHEN WIRE SUPPORT IS USED, STANDARD-STRENGTH FILTER CLOTH MAY BE USED. POSTS FOR THIS TYPE OF INSTALLATION SHALL BE PLACED A MAXIMUM OF 10 FEET APART. THE WIRE MESH FENCE MUST BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1 INCH LONG, TIE WIRES, OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 2 INCHES AND SHALL NOT EXTEND MORE THAN 34 INCHES ABOVE THE ORIGINAL GROUND SURFACE. THE STANDARD-STRENGTH FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 8 INCHES OF THE FABRIC
5. SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.
IF A SEDIMENT FENCE IS TO BE CONSTRUCTED ACROSS A DITCH LINE OR SWALE, IT MUST BE OF SUFFICIENT LENGTH TO ELIMINATE ENDFLOW, AND THE PLAN CONFIGURATION SHALL RESEMBLE AN ARC OR HORSESHOE WITH THE ENDS ORIENTED UPSLOPE. EXTRA-STRENGTH FILTER FABRIC SHALL BE USED FOR
6. THIS APPLICATION WITH A MAXIMUM 3-FOOT SPACING OF POSTS.
THE 4 INCH BY 6 INCH TRENCH SHALL BE BACKFIELD AND THE SOIL COMPACTED OVER THE FILTER
7. FABRIC.
SEDIMENT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED. SEDIMENT ACCUMULATION SHOULD NOT EXCEED 1/2 THE HEIGHT OF THE FENCE.

C) INSPECTION AND MAINTENANCE:

1. INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.
2. SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY.
3. MAINTENACE SHALL BE PERFORMED AS NEEDED AND SEDIMENT BUILD-UPS REMOVED WHEN BULGES DEVELOP IN THE SEDIMENT FENCE OR WHEN SEDIMENT REACHES 50% OF THE FENCE HEIGHT. AVOID DAMAGING OR UNDERMINING THE FENCE DURING CLEANOUT.
4. REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS, AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

AMERICAN PUBLIC WORKS ASSOCIATION		
APWA	KANSAS CITY METROPOLITAN CHAPTER	
SUPER SEDIMENT FENCE	STANDARD DRAWING NUMBER ESC-12	ADOPTED:

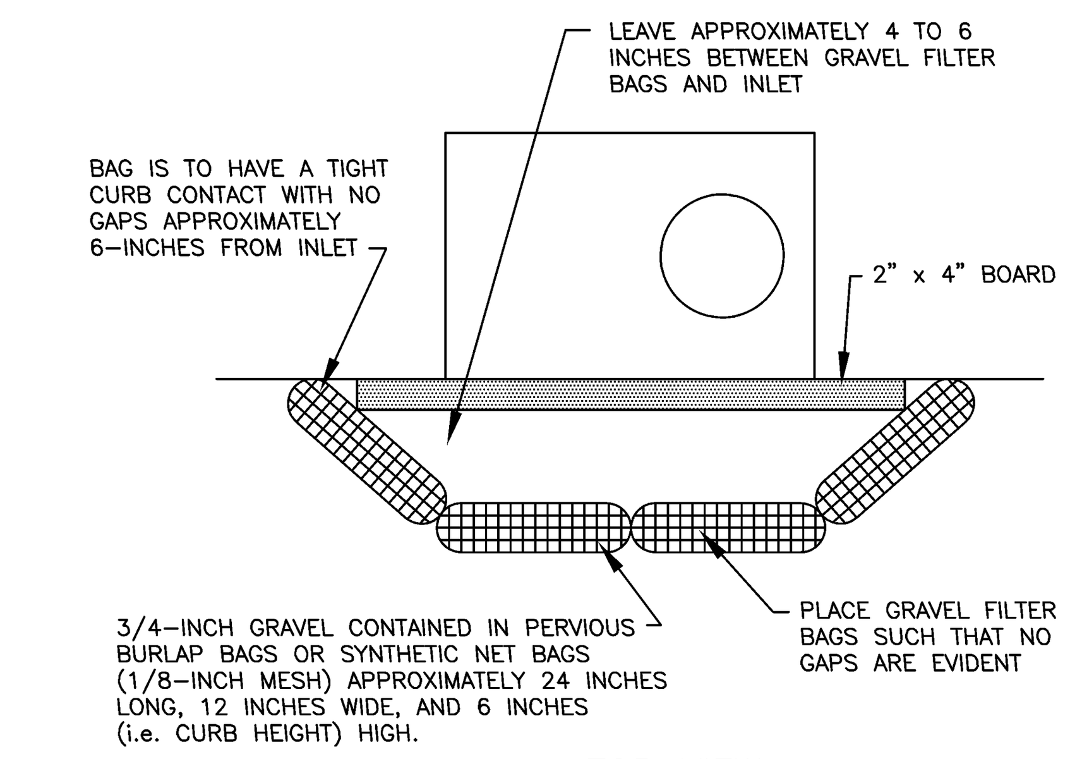


GRAVEL ENTRANCE DETAIL

(Not to Scale)

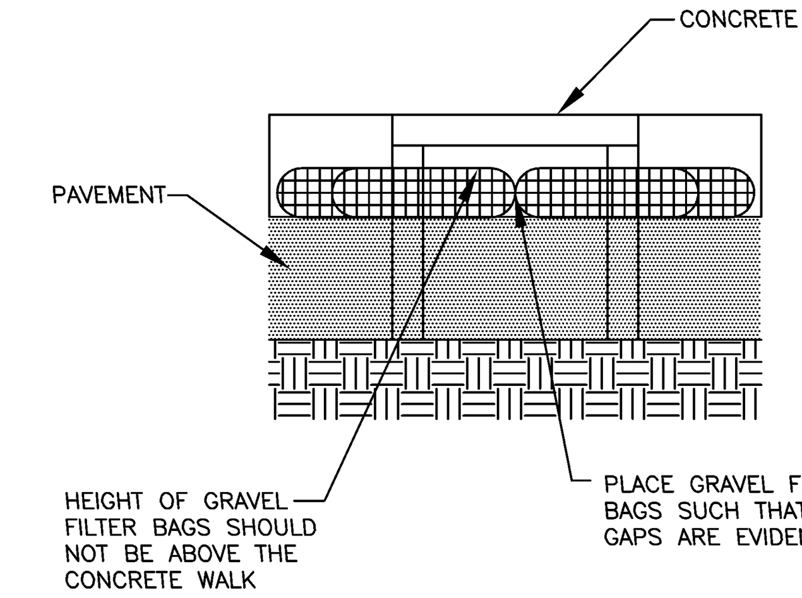
NOTES:
1. INSTALL AS SOON AS POSSIBLE AFTER START OF GRADING.
2. USE 2 TO 3 INCH AGGREGATE STONE.
3. DRIVE MUST BE AT LEAST 20 FEET WIDE AND 50 FEET LONG OR THE DISTANCE TO THE FOUNDATION, WHICHEVER IS LESS.
4. REPLACE AS NEEDED TO MAINTAIN 6 INCH DEPTH.

NOTE:
SILT FENCE LOCATED ALONG THE PROJECT BOUNDARIES SHALL BE INSTALLED PRIOR TO GRADING OPERATIONS



TOP VIEW

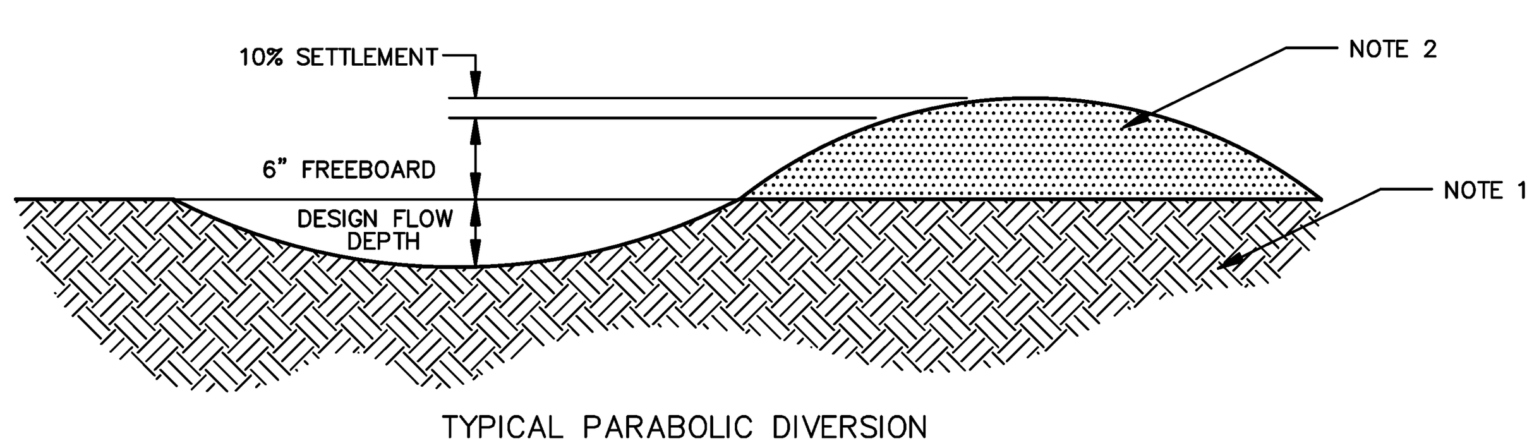
GRAVEL FILTER BAGS
(Typical At Every Inlet)
(Not to Scale)



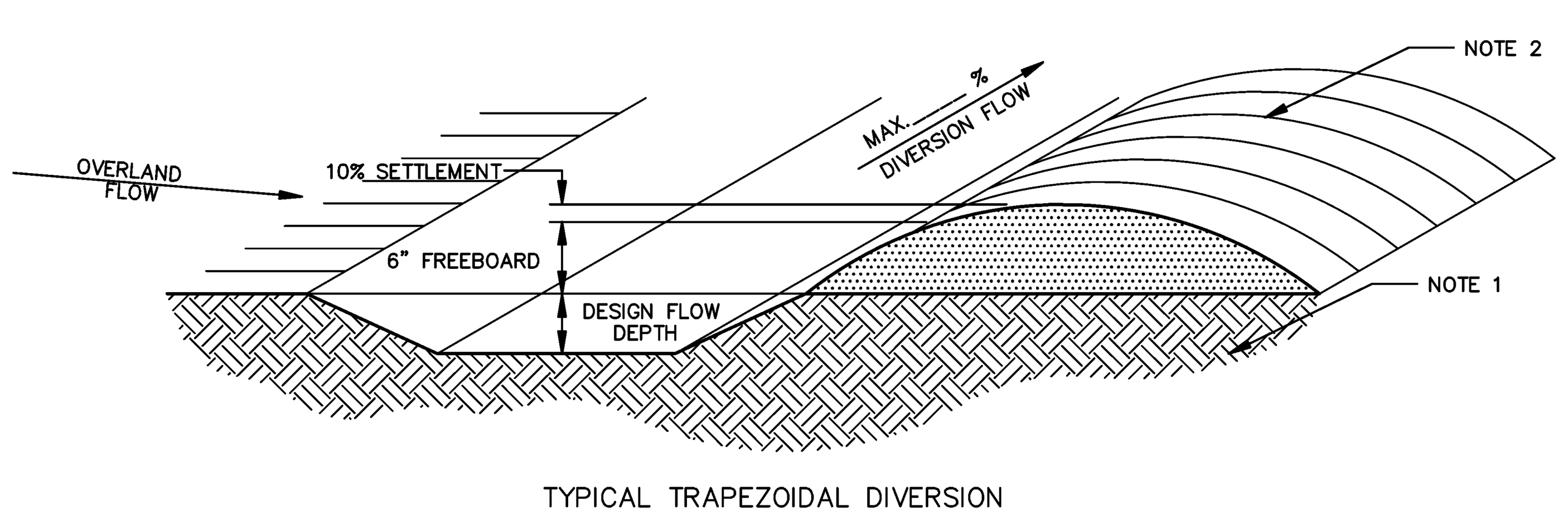
FRONT VIEW

NOTE:
AFTER CONSTRUCTION OF INLETS, FILTER BAGS SHALL BE PLACED AROUND PROPOSED INLETS.

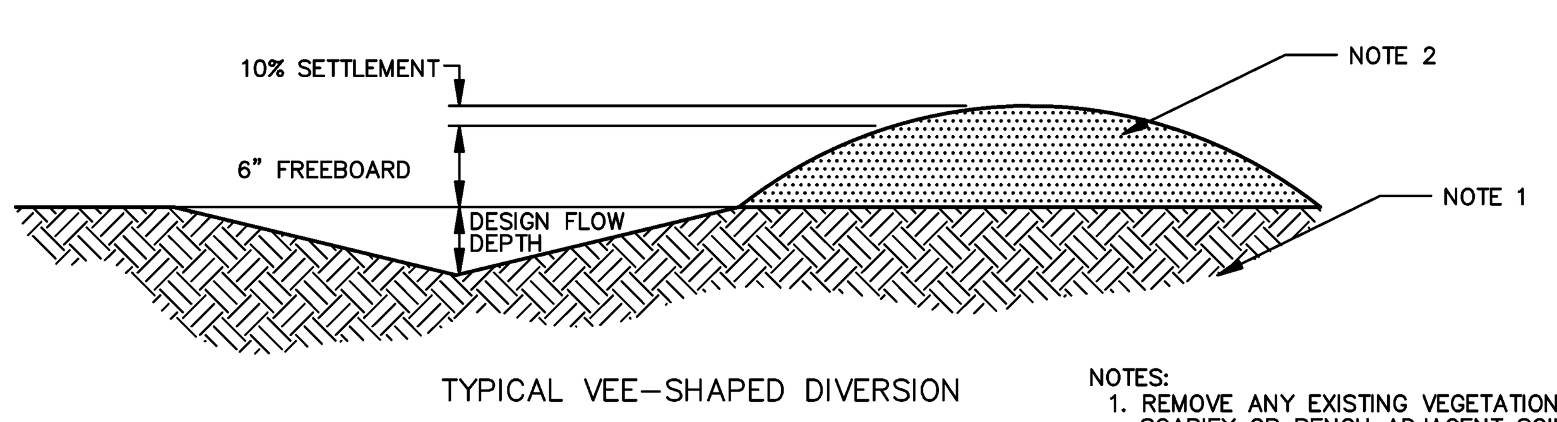
GRAVEL FILTER BAG DETAIL



TYPICAL PARABOLIC DIVERSION



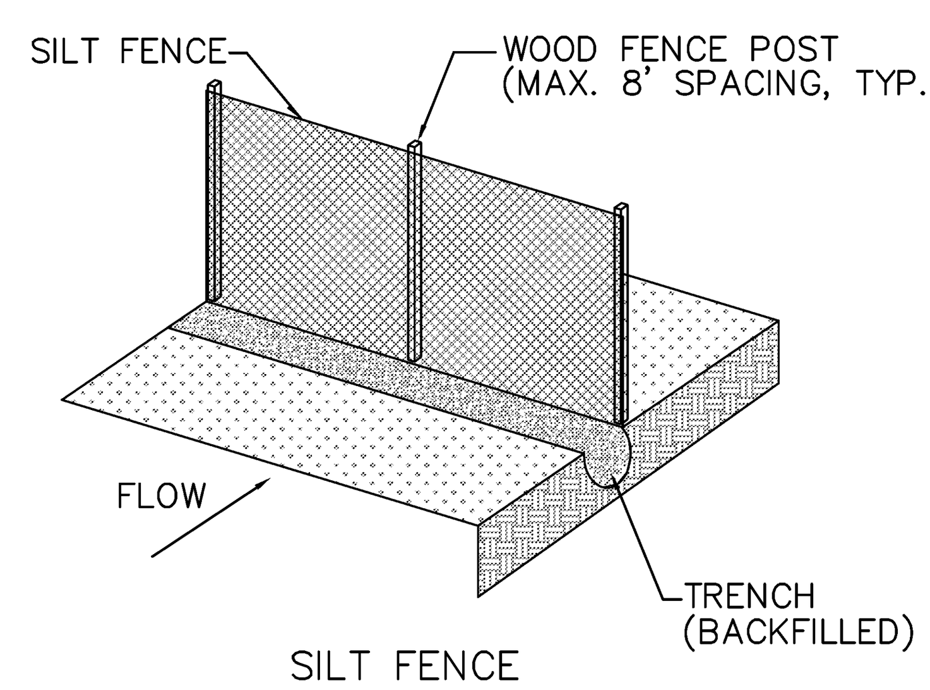
TYPICAL TRAPEZOIDAL DIVERSION



TYPICAL VEE-SHAPED DIVERSION

NOTES:
1. REMOVE ANY EXISTING VEGETATION AND SCARIFY OR BENCH ADJACENT SOILS PRIOR TO PLACING BERM.
2. BERM MATERIALS MUST BE ADEQUATELY COMPACTED AND STABILIZED.

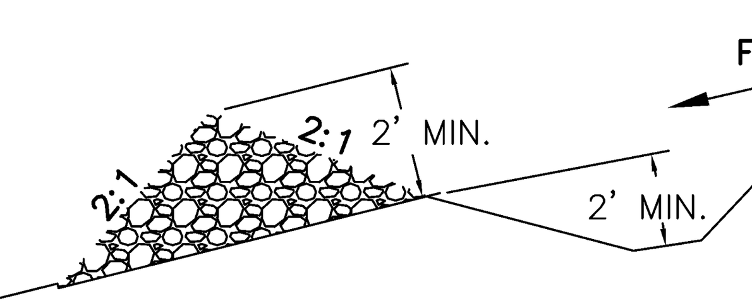
TEMPORARY DIVERSION BERMS



SILT FENCE
(Not to Scale)

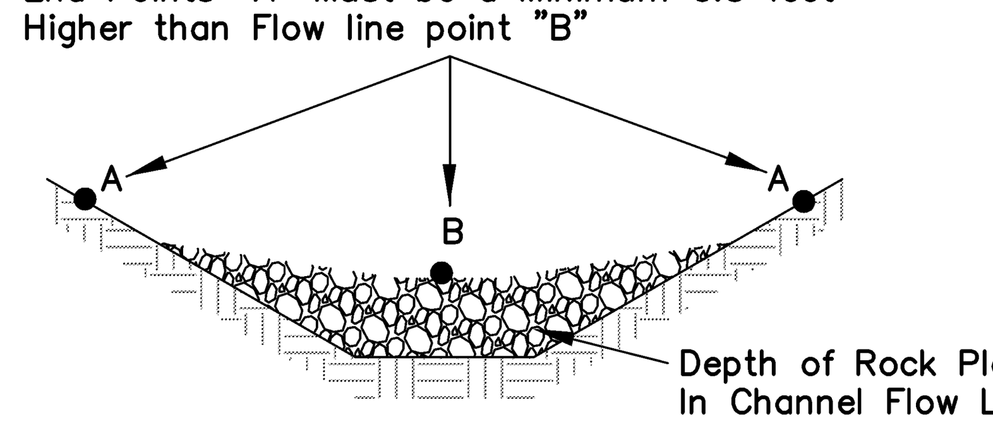
CONSTRUCTION SPECIFICATIONS

1. Wood posts which support the silt fence shall be installed on a slight angle toward the anticipated runoff source.
2. Silt Fence shall be trenched in with a spade or mechanical trencher so that the downslope face of the trench is flat and perpendicular to the line of flow.
3. The trench should be a minimum of 6" deep and 3-4" wide to allow for the silt fence to be laid in the ground and backfilled.
4. Silt Fence should be securely fastened to each support post.
5. Inspection shall be frequent and repair or replacement shall be made promptly as needed.
6. Silt Fence shall be removed when it has served its usefulness so as not to block or impede storm flow or drainage.



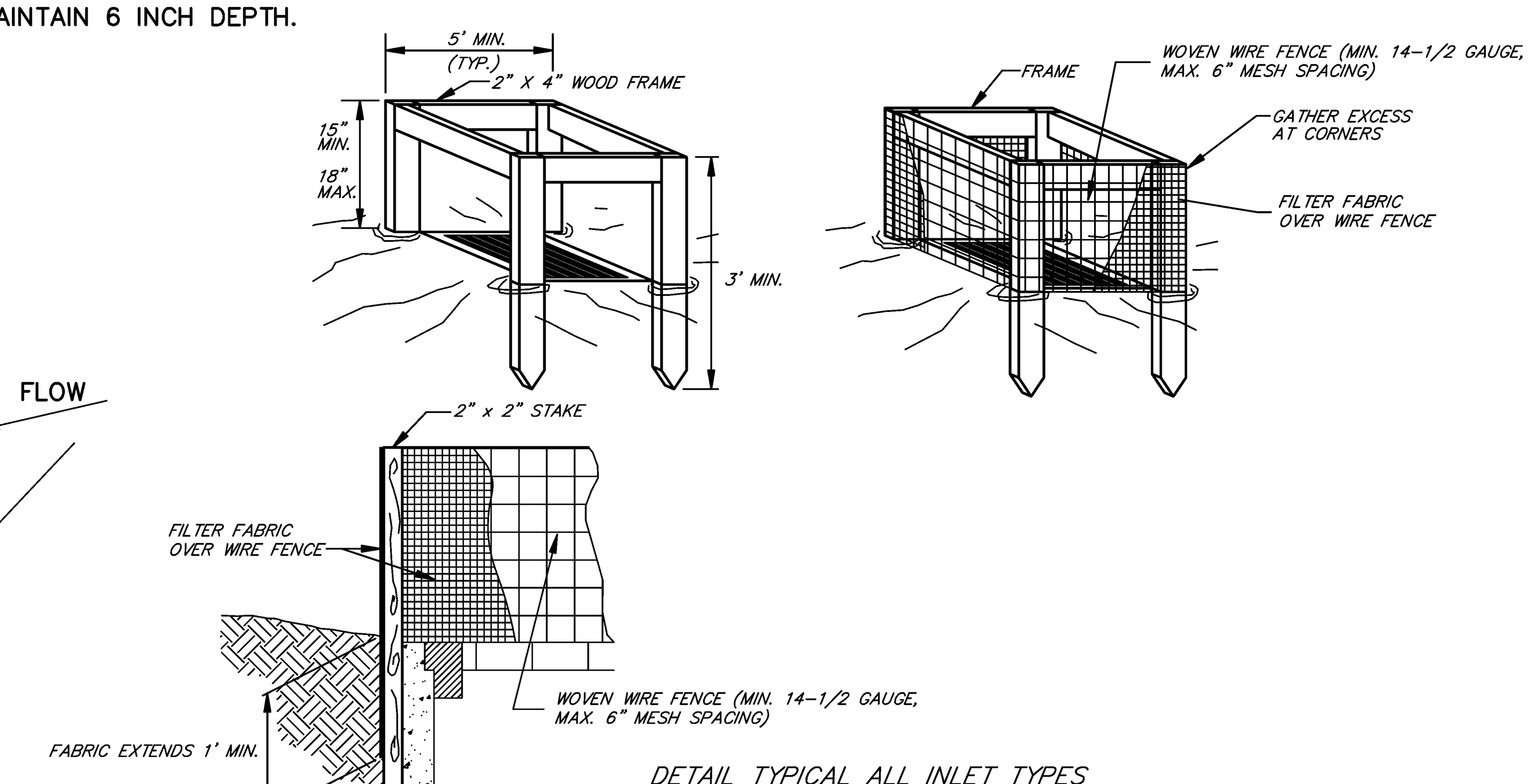
2 – 10 Acres Drainage Area
8 Inch Rock Minimum
SIDE VIEW

End Points "A" Must be a Minimum 0.5 feet Higher than Flow line point "B"



FRONT VIEW

TEMP ROCK FILTER DETAIL



DETAIL TYPICAL ALL INLET TYPES

1. *WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.*
2. *FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.*
3. *WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.*
4. *MAINTENANCE SHALL BE PERFORMED AS NOTED IN THE EROSION CONTROL PLAN. COLLECTED MATERIAL SHALL BE REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.*

SILT FENCE INLET PROTECTION WITH WIRE SUPPORT

TIMOTHY J. TUCKER LICENSED 18186 KANSAS PROFESSIONAL ENGINEER

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EROSION CONTROL DETAILS
COVINGTON CREEK
OLATHE, KANSAS
C.P.N. 3-D-011-15

PROJECT NO.	150038	No.	Date	Revisions:	By	App.
DATE:	1-30-15					
DRAWN:	JAZ					
DESIGNED:	TJT					
CHECKED:	TJT					
APPROVED:						

SHEET 13 OF 15

III. PERMITS

a. Notice of Intent (NOI)
b. State Historical Society Notification/Response
c. State Department of Wildlife and Parks Notification/Response
d. City Land Disturbance Permit *(to be inserted once obtained)*

150038

Kansas
Department of Health and Environment

NOTICE OF INTENT (NOI)

For Authorization to Discharge Stormwater Runoff from Construction Activities
In accordance with the Kansas Water Pollution Control General Permit
Under the National Pollutant Discharge Elimination System (NPDES)

Submission of this Notice of Intent constitutes notice that the party identified in Section I of this form requests authorization for coverage under the Kansas Water Pollution Control general permit, or KDHE issued successor permits, issued for stormwater runoff from construction activities in the State of Kansas. Becoming a permittee obligates the discharger to comply with the terms and conditions of the general permit. **Completion of this NOI does not provide automatic coverage under the general permit. Coverage is provided and discharge permitted when the Kansas Department of Health and Environment (KDHE) authorizes the discharge of stormwater runoff from the construction activities identified on the NOI and supporting documentation. A signed and dated copy of the first page of the NOI indicating the Authorization will be provided to the owner or operator, or all three pages for Conditional Authorizations.** Upon authorization of the construction activity discharge, a Kansas permit number and a Federal permit number will be assigned to the construction project. **A complete request for Authorization for coverage under the general permit must be submitted or the request will not be processed (see listing on Page 3 of this NOI).** KDHE will notify owners or operators whose Notice of Intent (NOI) and supporting documentation for Authorization of stormwater runoff associated with construction activities are incomplete, deficient, or denied.
Please Print or Type.

I. OWNER OR OPERATOR ADDRESS, BILLING, CONTACT & RECORDS LOCATION INFORMATION

A. Owner or Operator's Name: Tom French
Company Name: Heartland Development, L.P.
Owner or Operator's Phone: (913) 387-0188
Mailing Address: 15106 Glenwood Avenue
City: Overland Park State: KS Zip: 66223

B. Billing Contact Name: same as above
Billing Contact Address (if different): _____
City: _____ State: ___ Zip: _____

C. Contact Name: Tom French
Company Name: Heartland Development, L.P.
Contact Phone: (913) 387-0188
Mailing Address: 15106 Glenwood Avenue
City: Overland Park State: KS Zip: 66223
E-mail Address (optional): tfrench@tomfrenchconstructioninc.com

D. Address where records will be kept (if not on-site):
Records Address: 15106 Glenwood Avenue
City: Overland Park State: KS Zip: 66223

II. SITE INFORMATION

A. Project Name: Covington Creek
Site Address: 115th St. & Sunnybrook Blvd.
City: Olathe State: KS Zip: 66061
(Nearest City to Project)
County: Johnson

B. LEGAL SITE DESCRIPTION:
____ QTR of ____ QTR of E HALF ~~QTR~~ Section: 15
Township: 13 South; Range: 23 ☒ E ☐ W
Latitude: _____, Longitude: -_____
Deg. Min. Sec. Deg. Min. Sec.

For Official Use Only:

Received	Amount Paid:	Authorized: ☐ Y; ☐ N
	Date:	Is Authorization Conditional? ☐ Y; ☐ N (if yes, see page 3 of NOI for conditions)
	Initials:	
	Check No.:	
_____ Secretary, Kansas Department of Health and Environment		_____ Reviewer _____ Date
KS Permit No.: _____		Federal Permit No.: _____

Send completed 3 page NOI form with original signature and all appropriate submittals (see page 3 of NOI) to:

Kansas Department of Health and Environment
Bureau of Water, Industrial Programs Section
1000 SW Jackson, Suite 420
Topeka, KS 66612-1367

Note: A copy of the permit can be obtained at: www.kdheks.gov/stormwater or by submitting a written request to KDHE.

KDHE Contact Information:
Phone: (785) 296-5545
E-mail: stormwater@kdheks.gov

Project Name: Covington Creek Notice of Intent (NOI)

C. Existing Conditions/Uses

1) Is any part of the project located on Indian Country land? ☐ Y; ☒ N
If yes: Contact EPA regarding discharging stormwater runoff from industrial activities on Indian Country land.

2) If stormwater runoff drains to or through a Municipal Separate Storm Sewer System (MS4): MS4 Name: Olathe

3) Name of the first receiving water, stream, or lake: Little Cedar Creek, River Basin: Cedar Creek

4) Are contaminated soils present on the site or is there groundwater contamination located within the site boundary? ☐ Y; ☒ N
If yes: On separate paper please explain in detail the locations, contaminants and concentrations.

5) Are there any contaminated soils that will be disturbed or any contaminated groundwater that will be pumped by the proposed construction activity? ☐ Y; ☒ N
If yes: On separate paper provide a description of the special erosion and sediment control measures to be utilized.

6) Are there any surface water intakes for public drinking water supplies located within ½ mile of the site discharge points? ☐ Y; ☒ N

7) Are there any known historical or archeological sites present within the site boundary or any historic structures located within 1000 feet of the project site? ☐ Y; ☒ N
Note: Include documentation of project-specific coordination with the Kansas Historical Society in making this determination.

8) Is any threatened or endangered species habitat located within the site boundary or in the receiving water body? ☐ Y; ☒ N
Note: Include documentation of project-specific coordination with the Kansas Department of Wildlife, Parks & Tourism in making this determination.

9) Will the project impact the line or grade of a stream or does it include dredge or fill of a potential jurisdictional water body or wetlands? ☐ Y; ☒ N
If yes: Include documentation of project-specific coordination with the US Army Corps of Engineers and/or the Kansas Department of Agriculture, Division of Water Resources in making this determination.

10) Are any Critical Water Quality Management Areas, Special Aquatic Life Use Waters, or Outstanding National Resource Waters located within ½ mile of the facility boundary? ☐ Y; ☒ N

If yes, list the names of all such areas and waters: _____

D. Project Description

1) Project Description: 11.9 acre site to be developed as residential, single family homes; installation of storm sewer, sanitary sewer & street lighting

2) Does this NOI include all proposed soil disturbing activities associated with the entire common plan of development? ☒ Y; ☐ N

If no, explain what development areas of the site are not included in this NOI and provide contact information, if available, for the party or parties that own or have operational control of these areas:

3) Anticipated project Start Date: summer 2015, and Completion Date: fall 2015

4) Estimated total area to be disturbed: 9.9 Acres Total area of the site: 11.9 Acres

5) Do you plan to disturb ten or more acres that are within a common drainage area? ☐ Y; ☒ N

If yes, will a sedimentation basin be installed in that drainage area? (Attach design calculations for each sedimentation basin.) ☐ Y; ☒ N
If a sediment basin is not feasible, on a separate sheet explain what similarly effective erosion and sediment control measures will be implemented in lieu of a sedimentation basin.

E. Maps

Include an area map showing the outline of the construction site and the general topographic features of the area at least one mile beyond the project site boundary.

F. Erosion Control Plan and Best Management Practices

1) Provide a site plan showing the existing contour, proposed contour, the erosion control measures and the locations of stormwater management or pollution control features including BMPs. Incorporate details and notes as necessary to describe the erosion control plans and BMPs.

2) Provide a description of the best management practices which will be utilized to control erosion, sedimentation and other pollutants in stormwater runoff during construction.

Project Name: Covington Creek Notice of Intent (NOI)

3) Provide a summary of the sequence of major soil disturbing activities and the corresponding erosion control measures or BMPs.

4) Provide the name and License or Certification Number of the engineer, geologist, architect, landscape architect, or Certified Professional in Erosion and Sediment Control (CPESC) under which the construction stormwater pollution prevention plan has been developed.

Timothy J. Tucker	KS P.E. #18186	Professional Engineer
Name	License or Certification Number	Profession or Field (Engineer, Architect, etc.)

III. ANNUAL FEE

Enclose a check for the first year of the annual permit fee specified in K.A.R. 28-16-56 et seq. as amended. Make the check payable to "KDHE". Per K.A.R. 28-16-56, as amended, the current annual permit fee for this general permit is $60. An invoice for the annual permit fee will be sent to the contact person requesting a permit until such time as the permittee submits a Notice of Termination (NOT).

Failure to pay the annual fee will result in termination of the construction stormwater discharge Authorization.

IV. OWNER OR OPERATOR CERTIFICATIONS

I, the undersigned, certify that a Stormwater Pollution Prevention Plan (SWP2 Plan) will be or has been developed for the construction site described in this NOI and supporting documentation. I further certify that the plan will be implemented at the time construction begins, and, as required by the NPDES general permit for Stormwater Runoff from Construction Activity, will revise the SWP2 plan if necessary.

I understand that continued coverage under the NPDES general permit for Stormwater Runoff from Construction Activities is contingent upon maintaining eligibility as provided for in the requirements and conditions of the general permit, and paying the annual fee.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Tom French by Pres 5/20/15

Signature (owner or operator) **Date**

Tom French

Name and Official Title (Please print or type. **Form with original signature must be sent to KDHE.)**

Conditions of Authorization - For Official Use Only:

When indicated, Conditions of Authorization are as follows:

A complete request for Authorization for coverage under the general permit must be submitted or the request will not be processed. A complete request for Authorization includes:

- **An NOI form (construction stormwater) with an original authorized signature;**
- **The annual permit fee for the first year; ($60.)**
- **An area map showing the outline of the construction site and the general topographic features of the area at least one mile beyond the project site boundary;**
- **A detailed site plan showing the existing contours, proposed contours, erosion and sediment control features, locations where stormwater runoff leaves the construction site;**
- **A narrative summary of the additional erosion and sediment control and other best management practices that will be utilized to prevent or reduce contamination of stormwater runoff from the construction activities;**
- **Total drainage area, storage capacity and design calculations for each sedimentation basin; and**
- **Copies of letters or e-mails documenting coordination with appropriate local, state or federal agencies.**

Andrew Pierce

From: Jeff Zimmerman <jzimmerman@phelpsengineering.com>
Sent: Friday, May 15, 2015 8:09 AM
To: 'tweston@kshs.org'
Cc: 'Tim Tucker'
Subject: NOI Notification: Covington Creek
Attachments: VIC MAP AERIAL.pdf; VIC MAP VICINTY.pdf

NOI Notification: Covington Creek

Attached, please find a Vicinity Map and Site Map of the proposed site for your review.

The project is a single-family residential development located in the E ½ of Section 15, Township 13 south, Range 23 east in
Olathe, Johnson County, KS.

Could you please make a determination of any impacts the project will have on any historical sites?

Thanks

Jeffery Zimmerman, E.I.T
Phelps Engineering, Inc.

913-538-5820 Direct
913-393-1155 Office
913-393-1166 Office Fax

PHELPS ENGINEERING, INC
PLANNING • ENGINEERING • IMPLEMENTATION
1270 N. Winchester • Olathe, Kansas 66061
(913) 393-1155 • Fax (913) 393-1166
www.phelpsengineering.com

Andrew Pierce

From: Tim Weston <tweston@kshs.org>
Sent: Thursday, May 21, 2015 10:01 AM
To: Jeff Zimmerman
Subject: Re: NOI Notification: Covington Creek
Attachments: Covington Creek Development.pdf

Jeff,

Our response letter for this project is attached. Please let me know if you have any questions.

Tim Weston
SHPO Archeologist
Kansas Historical Society
6425 SW 6th Avenue
Topeka, Kansas 66615
(785) 272-8681 ext. 214
tweston@kshs.org

On 5/15/2015 8:09 AM, Jeff Zimmerman wrote:
> NOI Notification: Covington Creek
>
>
>
> Attached, please find a Vicinity Map and Site Map of the proposed site
> for your review.
>
>
>
> The project is a single-family residential development located in the
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>
> Olathe, Johnson County, KS.
>
>
>
> Could you please make a determination of any impacts the project will
> have on any historical sites?
>
>
>
> Thanks
>
>
>
>
>
> Jeffery Zimmerman, E.I.T

Andrew Pierce

From: Jeff Zimmerman <jzimmerman@phelpsengineering.com>
Sent: Friday, May 15, 2015 8:07 AM
To: 'ess@ksoutdoors.com'
Cc: 'Tim Tucker'
Subject: NOI Notification: Covington Creek
Attachments: VIC MAP AERIAL.pdf; VIC MAP VICINTY.pdf

NOI Notification: Covington Creek

Attached, please find a Vicinity Map and Site Map of the proposed site for your review.

The project is a single-family residential development located in the E ½ of Section 15, Township 13 south, Range 23 east in
Olathe, Johnson County, KS.

Could you please make a determination of any impacts the project will have on wildlife habitat?

Thanks

Jeffery Zimmerman, E.I.T
Phelps Engineering, Inc.

913-538-5820 Direct
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www.phelpsengineering.com

Andrew Pierce

From: Bender, David <david.bender@ksoutdoors.com>
Sent: Monday, June 22, 2015 2:25 PM
To: jzimmerman@phelpsengineering.com
Cc: Carlson, Donald; Environmental Services
Subject: NOI T&E; Proj: Covington Creek housing development; CO: JO; LOC: 15-13S-23E (Track:20150599)

Mr. Zimmerman,

The Covington Creek housing development project was reviewed for potential impacts on crucial wildlife habitats, current state-listed threatened and endangered species and species in need of conservation, and Kansas Department of Wildlife, Parks, and Tourism managed areas for which this agency has administrative authority.

No state-listed threatened or endangered species or crucial wildlife habitats should be significantly affected. No Department of Wildlife and Parks permits or special authorizations are needed. We simply recommend:

- to avoid impacts to existing wetlands,
- minimize the removal of native upland and riparian vegetation,
- implement standard erosion control BMP's and temporary weed-free seeding/mulching to protect water quality during construction
- minimize any / all further instream construction activities particularly during general spawning dates of May 1 through July 31
- use native grasses and forbs to permanently revegetate all areas disturbed by construction, we recommend NRCS practice 643 which is tailored to each ecoregion.

Please consider this email our official review of this project. If you have any questions or concerns please feel free to contact me.

Thank you,

David

David Bender, Ecologist
Ecological Services
Kansas Dept. of Wildlife, Parks and Tourism
512 SE 25th Ave.
Pratt KS 67124
office: 620-672-0788
cell: 620-672-8381
fax: 620-672-2972

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> Phelps Engineering, Inc.
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> 913-393-1155 Office
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> 913-393-1166 Office Fax
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IV. SIGNATURES

a. SWPPP Certification and Owner Certification
b. Contractor Certification

SWPPP Certification *(the SWPPP must be prepared by a licensed engineer or a Certified Professional in Erosion and Sediment Control (CPESC))*

As the SWPPP preparer, I certify that appropriate BMPs have been recommended to effectively minimize negative impacts of this project's construction activities on storm water quality. The project owner and contractors are aware that selected BMPs must be installed, monitored, and maintained to ensure effectiveness.

Prepared by: Timothy J. Tucker, P.E.

Title: Project Engineer

Date: _____

Owners Certification

I hereby certify that I am the owner of the property described in this plan, or the legally authorized agent, and that I assume full responsibility for the implementation and performance of this plan, and will comply with the requirements of any local, state, or federal permit required for this project.

Owner: _____ Date: _____

Title: _____

CONTRACTOR'S CERTIFICATION FORM

For Discharge of Stormwater Runoff from Construction Activities
In accordance with the Kansas Water Pollution Control General Permit
Under the National Pollutant Discharge Elimination System

This form is to be completed by each Contractor responsible for installation, operation, or maintenance of any construction stormwater best management practices (BMPs) necessary to complete the requirements of the Stormwater Pollution Prevention Plan. This completed form must be included in, or kept with, the Stormwater Pollution Prevention Plan for the site identified below.

I certify under penalty of law that I understand the terms and conditions of the Kansas Water Pollution Control general permit that authorizes the stormwater discharges associated with construction activity from the construction site identified below, and the Stormwater Pollution Prevention Plan prepared for the project.

Name of Project: _____

City:_____ County:_____State: KS

Kansas Water Pollution Control General Permit No. S-MCST-0701-1

Kansas Permit No. _____ Federal Permit No. _____

Contractor Information

Company Name: _____

Company Address: _____

_____

Company Phone Number: _____

Project Responsibilities: _____

_____

_____

_____

_____

Contractor's Signature: _____ Date: _____

Name (typed or printed): _____

V. SITE INSPECTION FORMS/LOGS

(Permittee or Contractor shall attach all site inspection forms, daily activity logs, etc.)

a. Maintenance Inspection Report
b. Record of Site Stabilization and Construction Activity Dates

Maintenance Inspection Report #_____

Date of Inspection:_____ Reason for inspection*_____

Project Name/Location:_____

Owner: _____

Weather Conditions:_____

Rain in last 24 hours (inches):_____

Inspector Name (print) and Signature:_____

Stage of Construction:

_____ Pre-construction Meeting
_____ Installation of Perimeter ESC Measures
_____ Clearing and Grubbing
_____ Rough Grading
_____ Other (Describe:_____)
_____ Temporary Stabilization
_____ Finish Grading
_____ Public Improvements
_____ Building Construction

Inspection Checklist:

BMP Condition	Yes	No	N/A	If "no", list locations needing BMPs and/or maintenance.
Storm Sewer Inlet Barriers (sand bags, gutter buddies, straw wattles)				
Are storm sewer inlet barriers properly placed?				
Are storm sewer inlet barriers in good condition?				
Are barriers controlling flows into the inlet?				
Is sediment height less than ½ the barrier height?				
Are all storm water inlets protected?				
Are storm sewer boxes and/or pipes free of sediment?				
Perimeter Controls (diversions, silt fence, straw wattles, mulch berms, etc.)				
Is offsite storm water drainage diverted?				
Are perimeter controls up and in good condition?				

BMP Condition	Yes	No	N/A	If "no", list locations needing BMPs and/or maintenance.
Perimeter Controls (continued)				
Have all offsite properties and drainages been protected by perimeter controls?				
Stabilized Construction Entrances				
Is there adequate clean gravel present?				
Is soil and gravel staying onsite?				
Are contractors using the stabilized construction entrance?				
Stream Crossings				
Are temporary crossings controlling erosion?				
Are culverts adequately sized?				
Temporary Stabilization				
Are seeded areas properly established?				
Is mulch crimped in and holding seed in place?				
Are erosion control blankets and mats in good condition?				
Are soil piles seeded, mulched and bordered down slope by sediment barriers?				
Sediment Basin				
Is the basin less than ½ full of sediment from original design?				
Are side slopes in good condition?				
Is the basin containing storm water flows?				
Is the outfall in good condition?				

BMP Condition	Yes	No	N/A	If "no", list locations needing BMPs and/or maintenance.
Swales and Drainage Ways				
Are ditch bottoms protected from undercutting and erosion?				
Are ditch checks properly maintained?				
Are outfalls properly stabilized?				
Slope Protection				
Are all slopes protected with vegetative cover, terraces or erosion control blankets?				
General Site Conditions				
Is trash and construction debris properly contained onsite?				
Are porta-potties properly located and maintained?				
Are all vehicles properly maintained to avoid leakage?				
Are all chemicals properly containerized and stored?				
Are concrete washout areas established and maintained?				

Corrective Measures: For all areas needing BMPs or maintenance, describe corrective measures and implementation timeframe?

* Reason for Inspection note: Visual inspections of all cleared and graded areas of the construction site will be performed at a minimum once every 14 days and within 24 hours of the end of a storm with rainfall amounts greater than 0.5 inches. Based on the results of the inspection, necessary control modifications shall be implemented within 7 days. This report shall be kept on file by the General Contractor as part of the Storm Water Pollution Prevention Plan for at least **3 years** from the date of completion and submission of the Notice of Termination.

Certification Statement

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Printed Name: _____

Address: _____

Phone: _____

_____Date: _____
(Authorized Signature**)

**It is the Owners (Permittee) responsibility to insure that the inspector has been properly authorized under the applicable General Permit Regulations to sign these inspection forms.

RECORD OF SITE STABILIZATION and CONSTRUCTION **ACTIVITY DATES**

A record of dates when stabilization measures are initiated, when major grading activities occur, and when construction activities temporarily or permanently cease on a portion of the site shall be maintained until final site stabilization is achieved and the Notice of Termination is filed. Make additional copies of this form and keep with SWPPP as needed.

MAJOR STABILIZATION AND GRADING ACTIVITIES

Description of
Activity:_____
Site Contractor: _____
Begin (date): _____ End(date):_____
Location:_____
_____

Description of
Activity:_____
Site Contractor: _____
Begin (date): _____ End(date):_____
Location:_____
_____

Description of
Activity:_____
Site Contractor: _____
Begin (date): _____ End(date):_____
Location:_____
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